GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE REPLACEMENT OF THA SIGN FOR THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US I AND MD 147 IN HARFORD COUNTY.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR BOTH THE NORTH AND SOUTHBOUND MOVEMENTS OF US I. THE SIDE STREETS OPERATE IN A SPLIT PHASE.

CONTROLLER REQUIREMENTS

PHONE: (410) 787-7652

AN EIGHT PHASE, FULL-TRAFFIC-ACTUATED, SOLID STATE DIGITAL CONTROLLER WITH ONE (I) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER, AND INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

PROJECT CONTACTS

THE CONTACT PERSON FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: 410-229-2381 MR, DONALD SCHAFFER, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (410-229-2421 MR. ANDRE FUTRELL, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: 410-229-2361
MR. MICHAEL PASOARIELLO, UTILITY ENGINEER PHONE: 410-229-2341 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

<u>OUANTITY UNIT</u> <u>DESCRIPTION</u>

R3-5 (L) (30° X 36°)

ADJUST VIDEO DETECTION CAMERA

RAISE FRAME AND COVER ON EXISTING HANDHOLE

REMOVE EXISTING SIGN

Suite H

410-931-6600

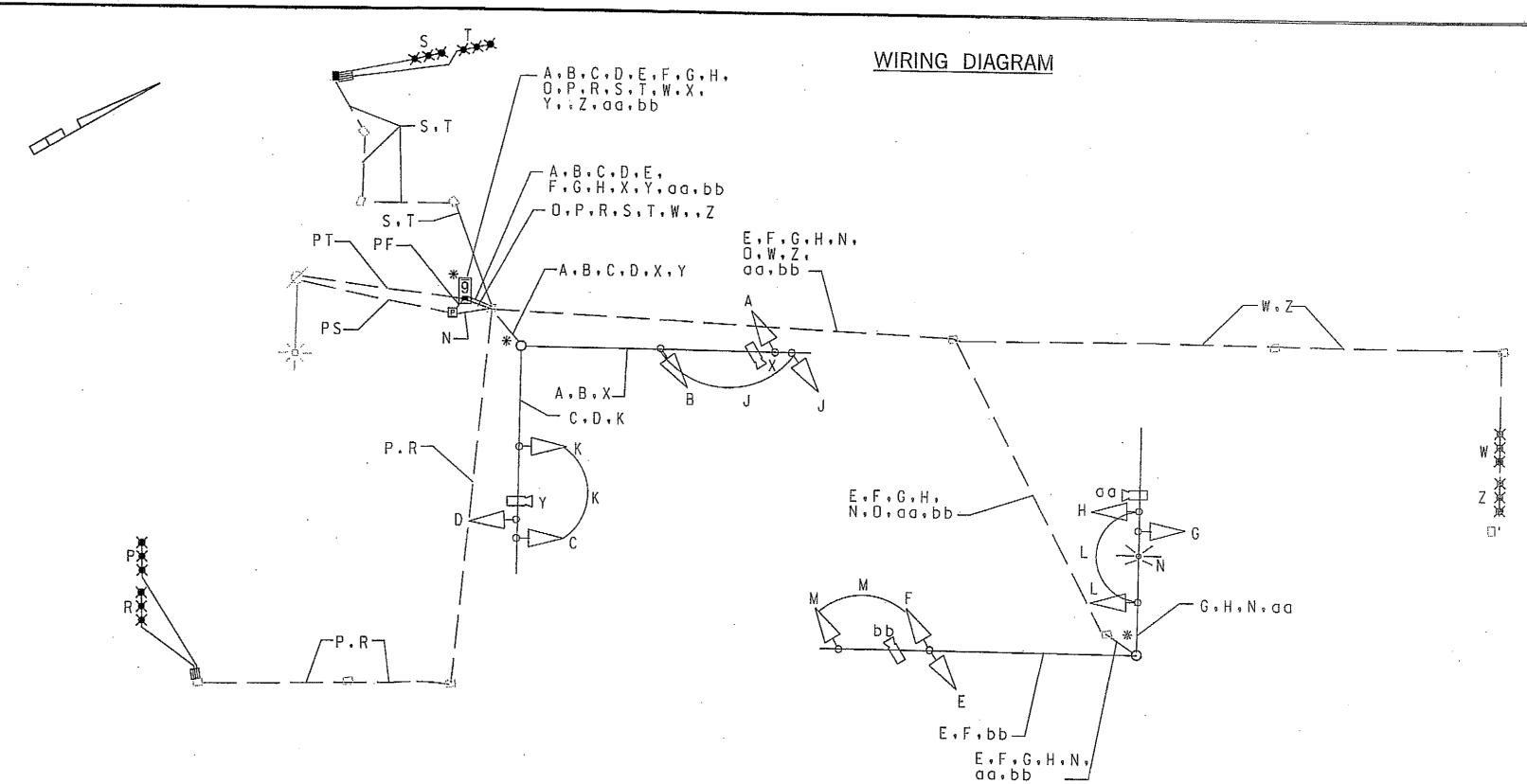
1-800-583-8411

Fax 410-931-6601

"Merging Innovation and Excellence"®

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 233/6, EXPIRATION DATE: PHASE CHART

PHASE 1 & 5 1 & 5 CHANGE TO PHASE 1 & 6 OR PHASE 2 & 5 OR PHASE 2 & 6 PHASE 1 & 6 1 CHANGE PHASE 2 & 5 5 CHANGE R PHASE 2 & 6 2 & 6 CHANGE $\longrightarrow \triangleright$ PHASE 3 3 CHANGE PHASE 4 4 CHANGE FLASHING |FL/Y| FL/Y|FL/Y|FL/Y|FL/Y|FL/R|FL/R|FL/R|FL/R|FL/R| OPERATION



EXISTING WIRING KEY

A.B.C.D.E.F.G.H - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

J.K.L.M - 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

N - 2 CONDUCTOR ELECTRICAL CABLE TYPE T/C (NO. 12 AWG)

O - STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)

P.R.S.T - MICRO-LOOP PROBE SET WITH 500 FT LEAD-IN

W.Z - NON-INVASIVE DETECTOR WITH 500 FT LEAD-IN

X.Y.aa.bb - VIDEO CAMERA CABLE

PS - PROPOSED UNDERGROUND ELECTRICAL SERVICE

PT - PROPOSED UNDERGROUND TELEPHONE SERVICE

PF - PROPOSED POWER FEED 3 WIRE, 1 CONDUCTOR (NO. 4 AWG)

* - 3/4 IN. X 10 FT. GROUND ROD

MD-AMD Tracking No.: 07APHA016XX



DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION TRAFFIC SIGNAL PLAN

US 1 (BELAIR RD) AND HARFORD ROAD (MD 147)

SCALE NA DATE 06-21-2012 CONTRACT NO. BW996M82

ESIGNED BY FJH RAWN BY FJH	COUNTY HARFORD LOGMILE 12002.67
A.P. NO. N/A	T.I.M.S. NO. <u>L365</u> TOD NO.
NO. 610 K DRAWING NO.	SHEET NO. 18 OF 18

The Traffic Group, Inc. 9900 Franklin Square Drive Baltimore, Maryland 21236